

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
24 February 2005 (24.02.2005)

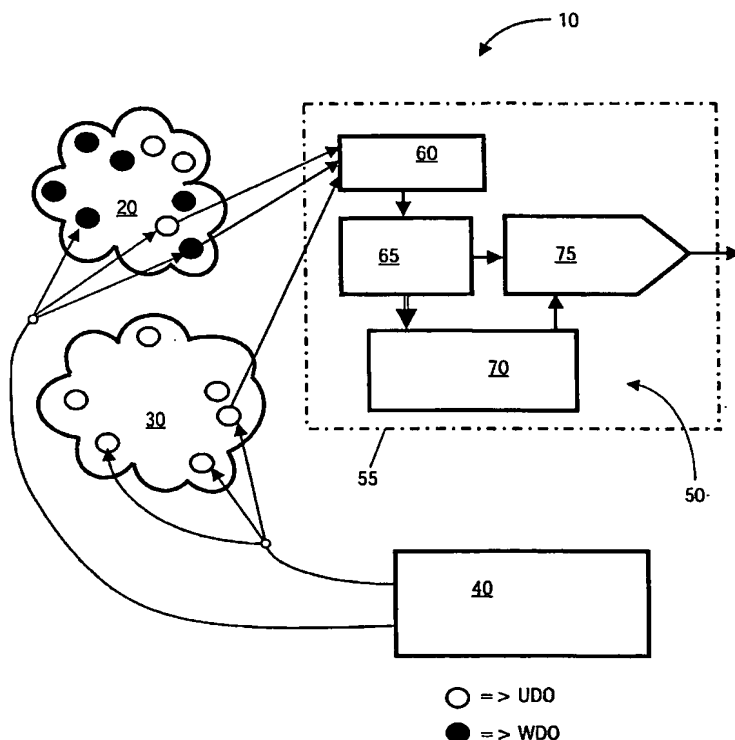
PCT

(10) International Publication Number
WO 2005/017894 A1

- (51) International Patent Classification⁷: **G11B 20/00**,
G06F 17/60
- (74) Agent: **GROENENDAAL, Antonius, W., M.**; Prof. Hol-
stlaan 6, NL-5656 AA Eindhoven (NL).
- (21) International Application Number:
PCT/IB2004/051385
- (22) International Filing Date: 4 August 2004 (04.08.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
03102568.7 18 August 2003 (18.08.2003) EP
- (71) Applicant (for all designated States except US): **KONIN-
KLIJKE PHILIPS ELECTRONICS N.V.** [NL/NL];
Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **KALKER, Antonius,
A., C., M.** [NL/US]; c/o Prof. Holstlaan 6, NL-5656 AA
Eindhoven (NL).
- (81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.
- (84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: METHOD OF COUNTERACTING COPYING OF DIGITAL INFORMATION



(57) Abstract: There is provided a method of counteracting copying of digital information comprising the steps of: (a) providing a system (10) comprising at least one content provider (40), at least one consumer having one or more devices (50) for replaying digital information, a first distribution arrangement (30) for distributing authorized copies of said digital information from said at least one content provider (40) to said at least one consumer, and a second distribution arrangement (20) susceptible to distributing unauthorized copies of said digital information from said at least one content provider (40) to said at least one consumer; (b) arranging for said at least one content provider (40) to be susceptible to providing authorized copies of said digital information to said at least one customer via the first distribution arrangement (30); (c) arranging for distribution via the second distribution arrangement (20) of copies of said digital information from said at least one content provider (40) wherein at least a portion of said digital information is watermarked; and (d) arranging for said one or more devices (50) to include a watermark detection arrangement (65, 70) operable to identify the digital information presented

thereto which has been watermarked, said detection arrangement (65, 70) being susceptible to hindering replay of the digital information which is watermarked. The second distribution arrangement (20) is for example the Darknet.



Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.